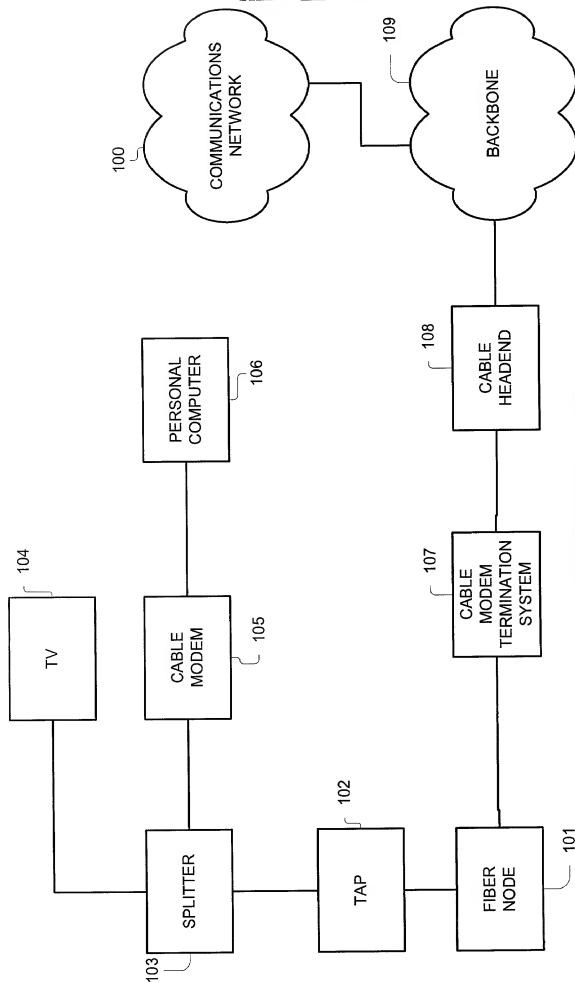


ABSTRACT OF THE DISCLOSURE

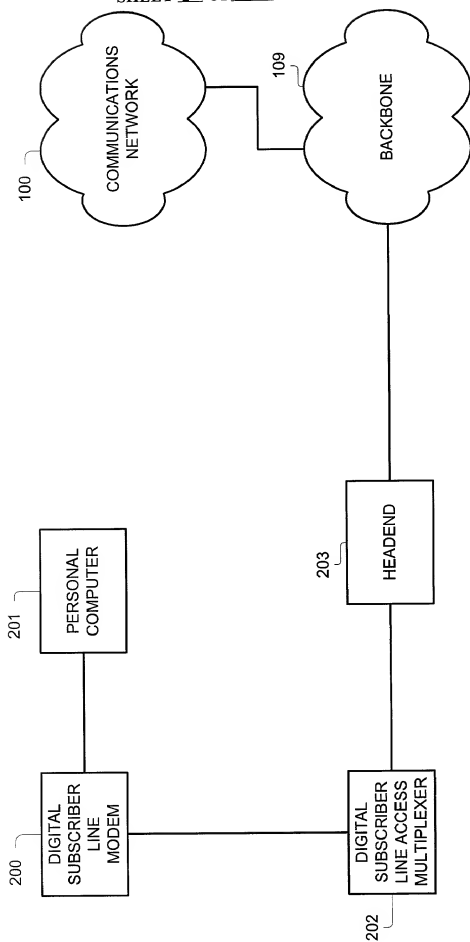
An integrated operations support system, method, and computer program product for a high-speed network dedicated to broadband data transport services. A single web portal is provided through which internal personnel manage the physical aspects of the high-speed
5 network, and through which customers (e.g., ISPs) manage the usage and business aspects of the high-speed network. Information related to the operation of the network as well as end-user usage information is maintained in a common operations support system database. Information in the database is manipulated through a variety of applications, each of which is available through the single web portal.

FIGURE 1



BACKGROUND ART

FIGURE 2



BACKGROUND ART

FIGURE 3

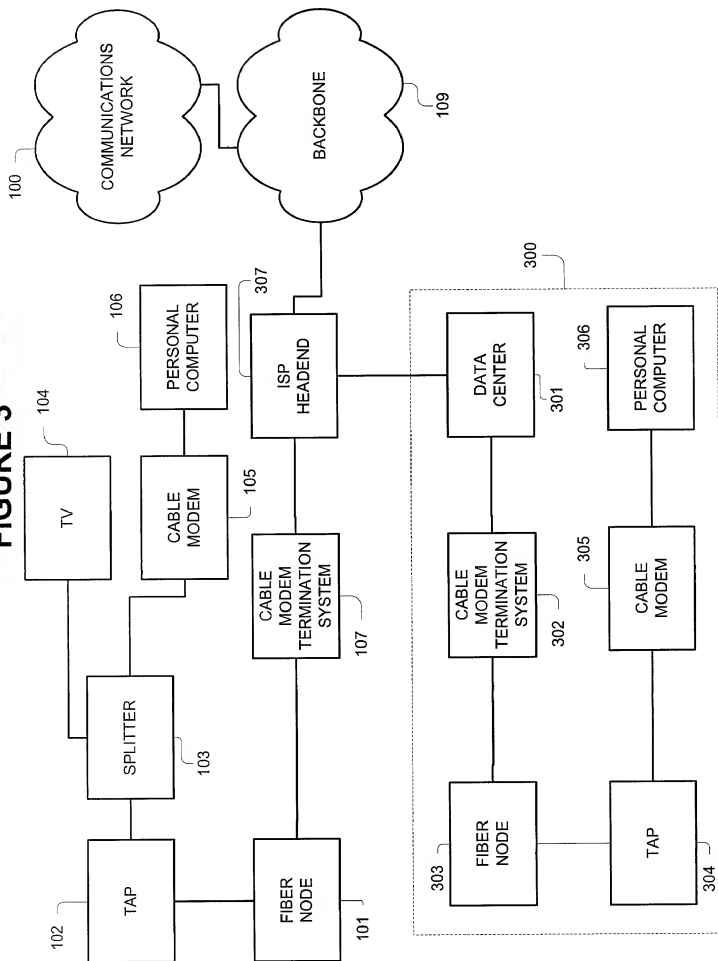
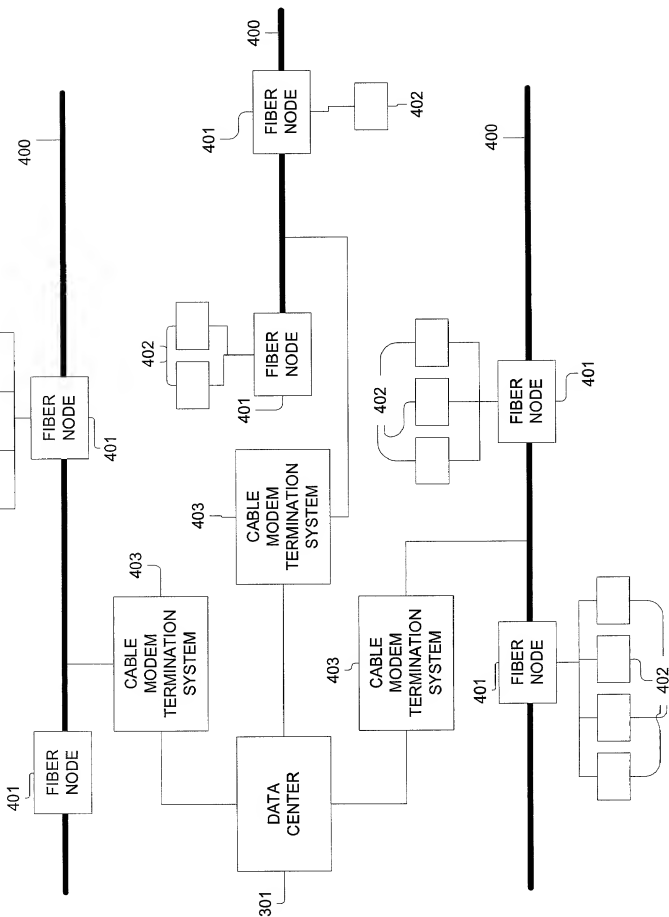


FIGURE 4



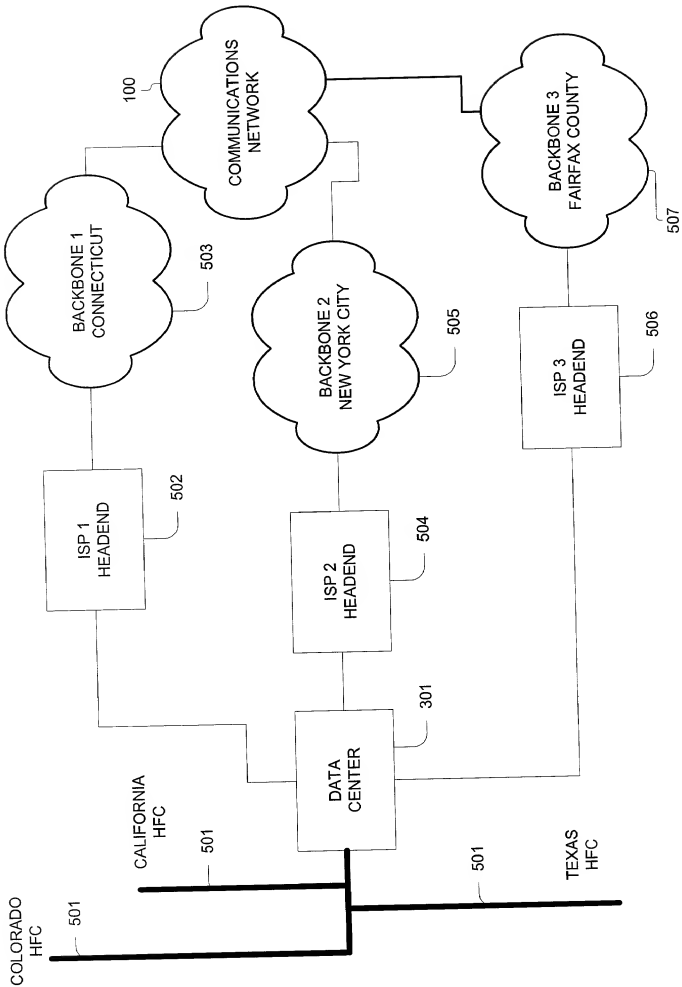
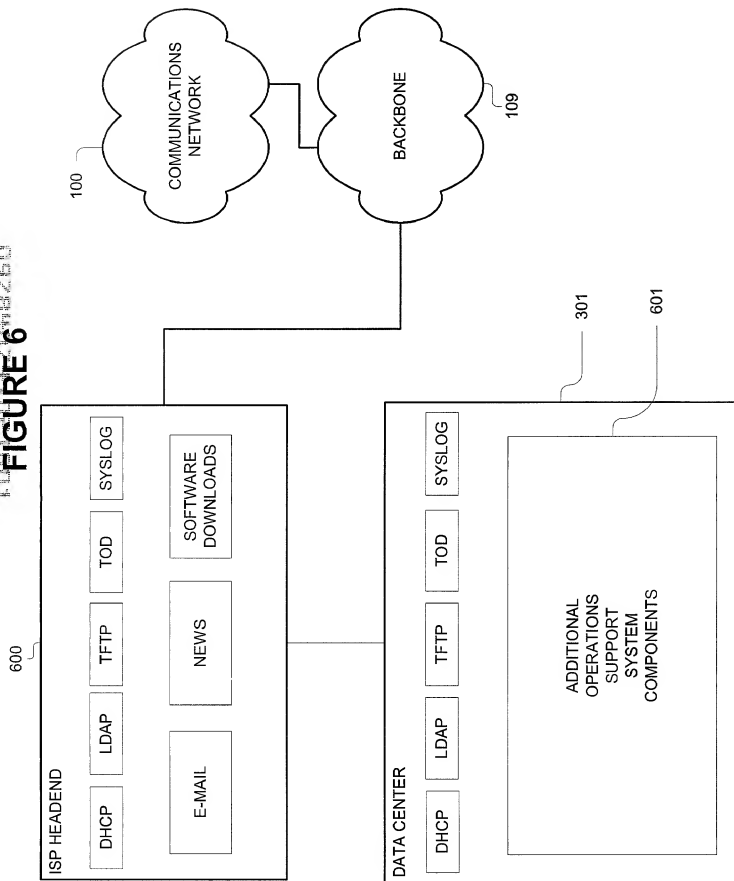


FIGURE 5

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FIGURE 6



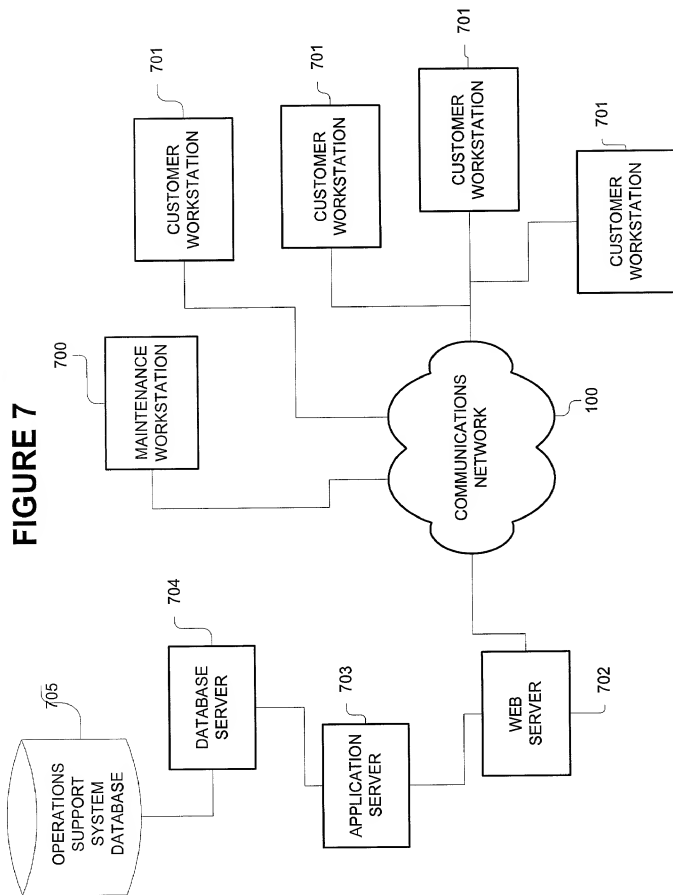


FIGURE 8

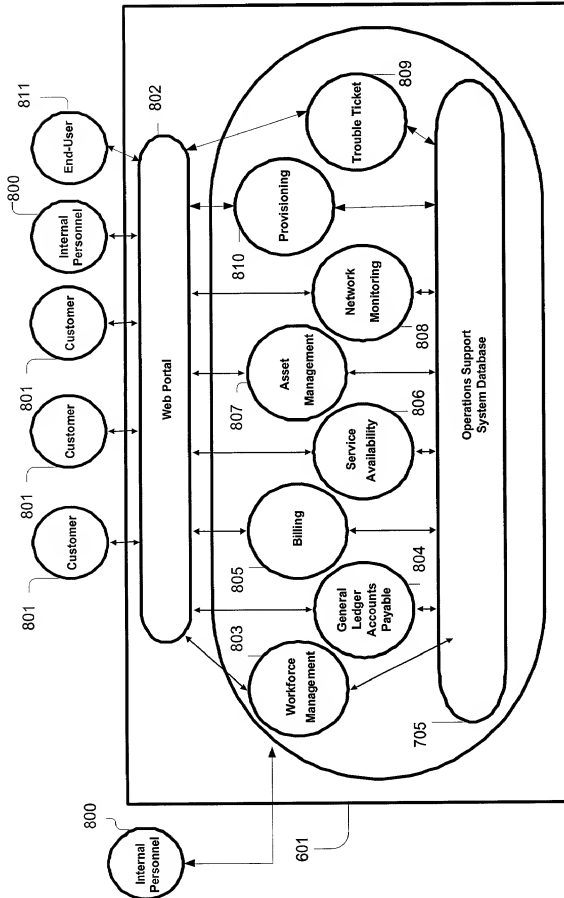


FIGURE 9

OPERATIONS SUPPORT SYSTEM
DATABASE

END USER ID	CUSTOMER ID	CUSTOMER PLAN	END USER BILLING INFORMATION
1	1	A	END USER BILLING INFORMATION
2	2	B	END USER BILLING INFORMATION
3	1	C	END USER BILLING INFORMATION
4	3	A	END USER BILLING INFORMATION
5	2	B	END USER BILLING INFORMATION
6	1	A	END USER BILLING INFORMATION
7	2	B	END USER BILLING INFORMATION
8	2	C	END USER BILLING INFORMATION

ISP 1

1	1	A	END USER BILLING INFORMATION
3	1	C	END USER BILLING INFORMATION
6	1	A	END USER BILLING INFORMATION

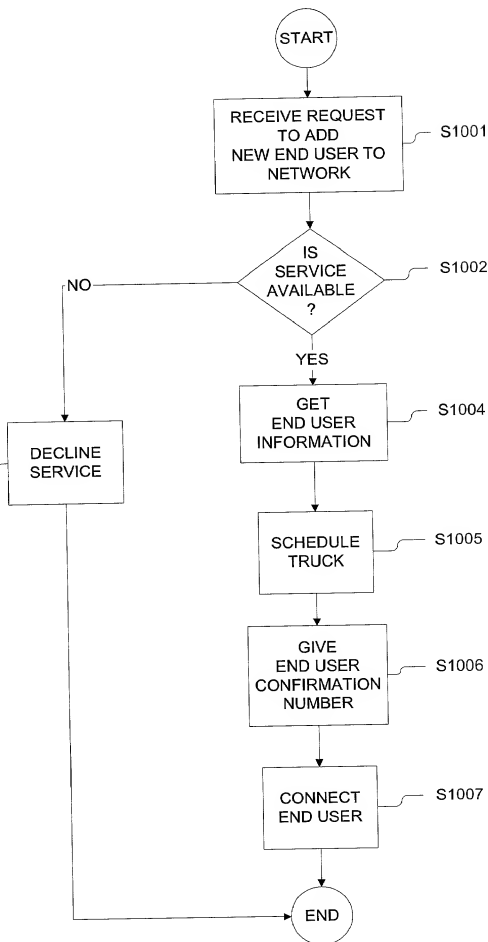
ISP 2

2	2	B	END USER BILLING INFORMATION
5	2	B	END USER BILLING INFORMATION
7	2	B	END USER BILLING INFORMATION
8	2	C	END USER BILLING INFORMATION

ISP 3

4	3	A	END USER BILLING INFORMATION
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FIGURE 10



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